HW#43: Circles in the CP & Review

Geometry

Due: Monday, Nov 16th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.

|  |  |
| --- | --- |
| 1. Circle *C* is centered at *O*(-4,-3). The point *P*(0,0) lies on the circles.   a) Plot points *O* and *P* on the grid below, then sketch the rest of the circle.  ../Images/Coordinate_Grid_XYAxis.PNG  b) Find the area of circle *C* | 1. The endpoints the diameter of circle *Z* are *A*(-6,-3) and *B*(1,-2).   a) Plot points *A* and *B*, then find sketch the rest of the circle.  ../Images/Coordinate_Grid_XYAxis.PNG  b) Find the circumference of circle *Z* |
| Criteria for Success: Did you…   * Plot your points correctly * Identify the radius * Choose the correct formula * Input the value for the correct unknown * Solve for area * Examine your answer: Does it answer the question? Does it make sense? Include units? | Criteria for Success: Did you…   * Plot your points correctly * Use Pythagorean Theorem to find the distance between two points. * Choose the correct formula * Input the value for the correct unknown * Solve for circumference * Examine your answer: Does it answer the question? Does it make sense? Include units? |

Did you follow the criteria for success?

Part II – Review: Coordinate Plane Geometry

|  |  |
| --- | --- |
| Directions: Complete the following problems on a separate piece of paper and ATTACH IT to your homework. Failure to complete problems on a separate piece that is attached will result in LaSalle. | |
| 1. Triangle ARW has vertices A(4,5), R(2,3), and W(-1,5). Find the area of triangle ARW. | 1. Triangle XDF has vertices X(3,3), D(3,1), and F(0,-1). Find the perimeter of triangle XDF. |
| 1. Rectangle TUVS has vertices T(0,10), U(8,10), V(8,2), and S(0,2). Find the area of rectangle TUVS. | 1. Quadrilateral NYIA has vertices N(1,-4), Y(-1,-2), I(2,0), and A(3,-1). Find the perimeter of the quadrilateral NYIA. |

Part III – Review: Angles

|  |  |
| --- | --- |
| ../../../../../Desktop/Screen%20Shot%202015-11-08%20at%206.45.51%20PM1.   1. Draw a picture.   ../../../../../Desktop/Screen%20Shot%202015-11-08%20at%206.45.51%20PM | ../../../../../Desktop/Screen%20Shot%202015-11-08%20at%206.46.46%20PM2.     1. Annotate the picture as completely as possible. 2. Find the missing angle. |
| ../../../../../Desktop/Screen%20Shot%202015-11-08%20at%206.54.17%20PM3.    a) State the relationship betweent the two angles shown.     b) Solve for *x*. | ../../../../../Desktop/Screen%20Shot%202015-11-08%20at%206.54.30%20PM4.   1. State the relationship between the two angles shown. 2. Solve for *x*. |